

APPENDIX C: IOU-SPECIFIC RENEWABLES DATA

SEE WORKING GROUP HANDOUTS FOR DATA TABLE

The following data table reports on categories of information similar to that found in Section I, but lists utility-specific renewables data for the three largest IOUs serving the state (SCE, SDG&E and PG&E). This data comes solely from public CEC sources, and therefore differs from that provided in Section I. Specifically, the data contained in this Appendix was not validated by the IOUs, and is therefore not as accurate as the aggregated data supplied earlier.

CEC data on renewables generation is disaggregated by resource types that are slightly different from those presented in Section I of the report. Where appropriate, distinctions are made between in-state renewable energy facilities and out-of-state facilities serving California load. The solar thermal generation data applies a 25% de-rating factor to the total output of the solar thermal power-plants to account for natural-gas back-up. An estimate for the amount of Pacific Northwest hydro imported into the state is obtained by assuming 80% of the total economy energy imports comes from hydroelectric facilities.

Data sources for the renewables generation listed in the table include FERC forms, the CEC's Quarterly Fuels and Energy Report data-base, the IOUs' quarterly small power production reports to the CPUC, and in-house CEC staff estimates of self-generation. Because none of these data sources is comprehensive and some of them are often incomplete, data gaps do occur. Not all utilities report data and some report it intermittently or imperfectly. The data gaps are filled with CEC staff estimates of what generation might have been, based on assumed performance factors (dependable capacity, annual capacity factor, etc.).

The CEC annually compiles data from a variety of sources to estimate a quantity it defines as "Total Generation for California Use," which is included in the following data table. This category represents the quantity of electricity that is "consumed" by the following California "uses": energy user energy requirements (including end-use by self-generators), transmission and distribution losses, and net bulk power exports out of California. A statewide total of this compilation of data is published annually by the Department of Finance in the California Statistical Abstract. CEC staff has not typically reported the compiled data in a disaggregated way (for each of the state's more than forty individual utilities). The public data sources which are compiled by the CEC staff are utility-specific, however.